

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042229.D
 Acq On : 07 Apr 2025 10:23
 Operator : SY/MD
 Sample : VL0407ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABL01

Quant Time: Apr 08 01:29:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	195732	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	527491	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	463741	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	359295	9.435	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.300%

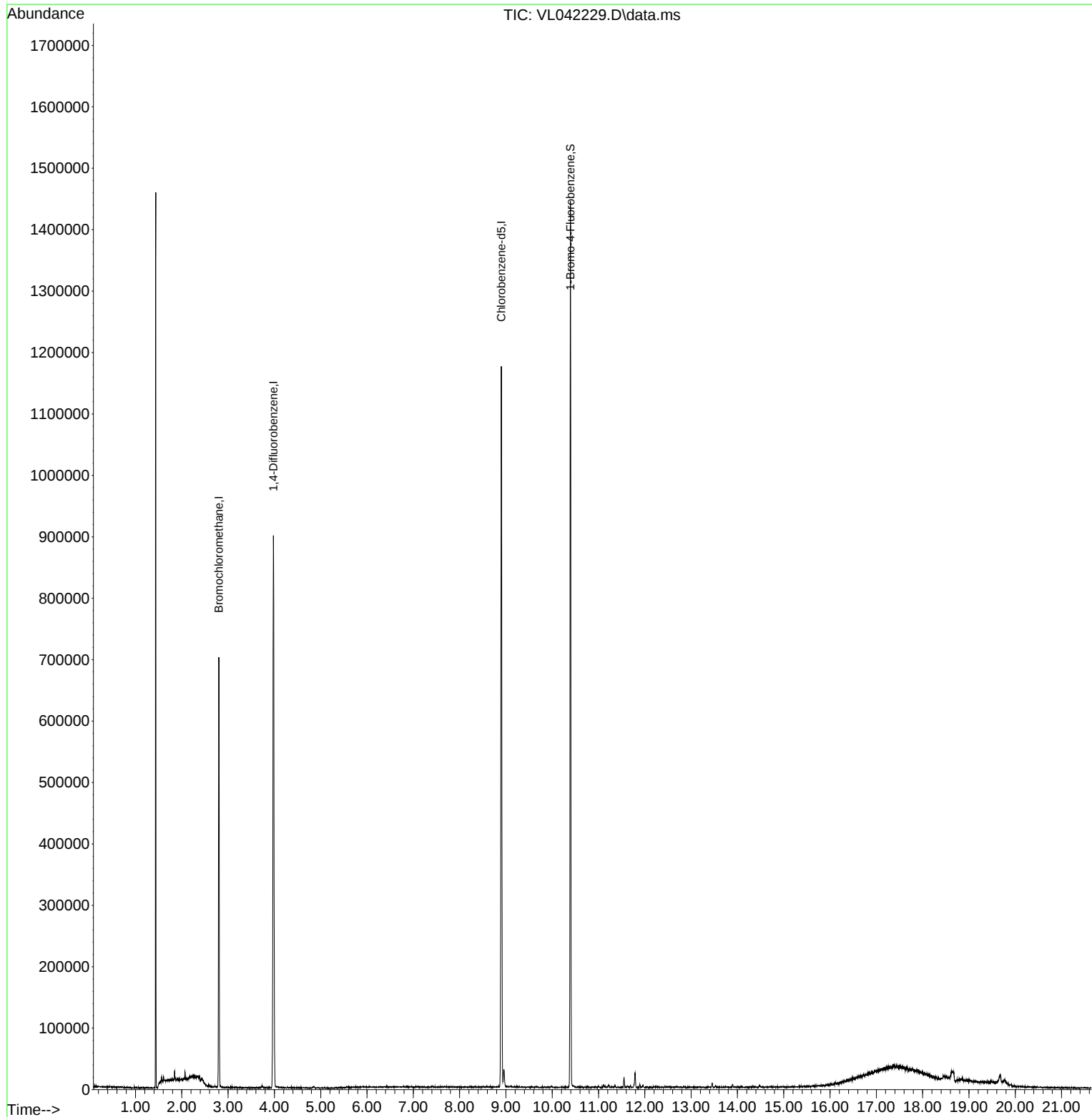
Target Compounds	Qvalue

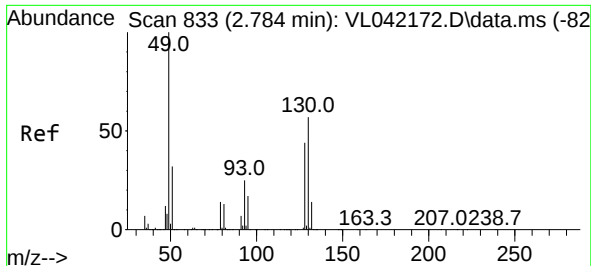
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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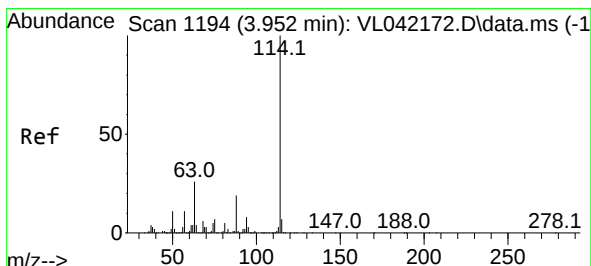
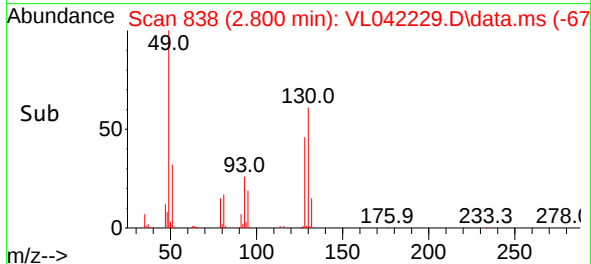
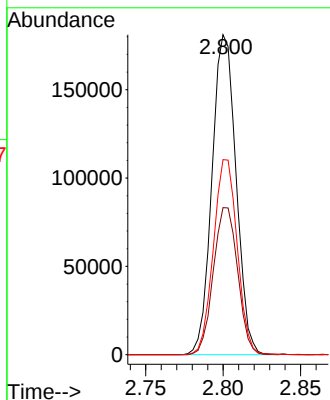
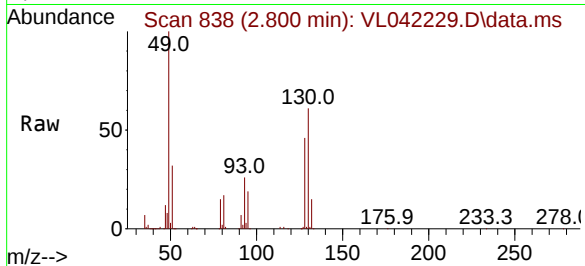




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042229.D
Acq: 07 Apr 2025 10:23

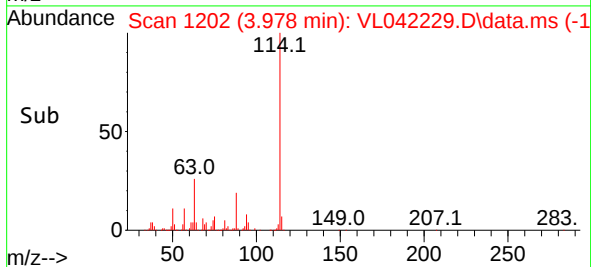
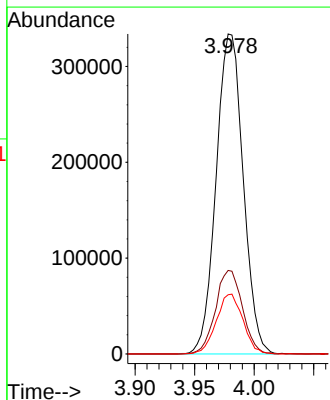
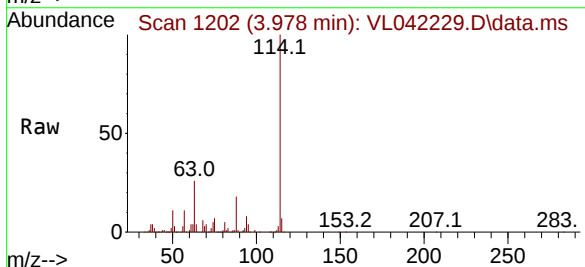
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABL01

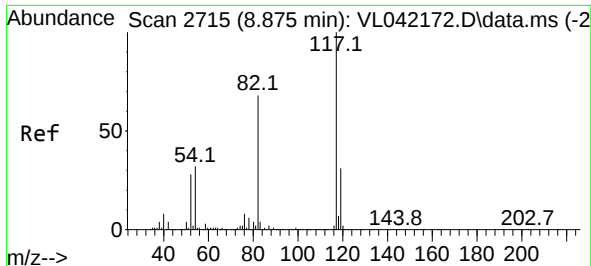
Tgt Ion: 49 Resp: 195732
Ion Ratio Lower Upper
49 100
128 46.4 22.9 68.5
130 60.3 28.8 86.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.026 min
Lab File: VL042229.D
Acq: 07 Apr 2025 10:23

Tgt Ion: 114 Resp: 527491
Ion Ratio Lower Upper
114 100
63 26.0 20.7 31.1
88 18.4 15.0 22.4

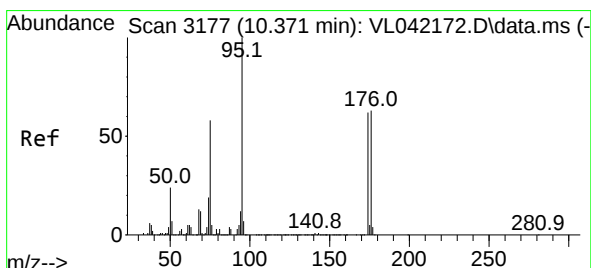
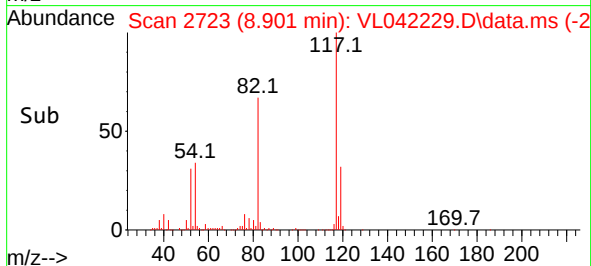
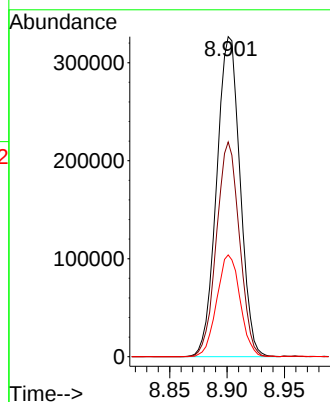
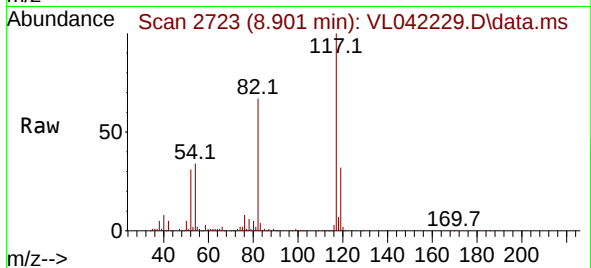




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL042229.D
Acq: 07 Apr 2025 10:23

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABL01

Tgt Ion: 117 Resp: 463741
Ion Ratio Lower Upper
117 100
82 65.9 55.8 83.6
119 31.7 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.435 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.022 min
Lab File: VL042229.D
Acq: 07 Apr 2025 10:23

Tgt Ion: 95 Resp: 359295
Ion Ratio Lower Upper
95 100
174 60.7 50.6 76.0
175 4.3 3.8 5.6

